

Title (en)

Dimeric bone morphogenic proteins and fragments and analogs thereof and pharmaceutical compositions comprising them

Title (de)

Dimere Knochenmorphogeneseproteine und ihre Fragmente und Analoge und sie enthaltende pharmazeutische Zubereitungen

Title (fr)

Proteines dimériques morphogénétiques d'origine osseuse et leur fragments et analogues et compositions pharmaceutiques les contenant

Publication

**EP 0691349 A3 19970910 (EN)**

Application

**EP 95110052 A 19950628**

Priority

JP 18420394 A 19940704

Abstract (en)

[origin: EP0691349A2] The present invention provides synthetic peptide derivatives represented by the formula P<1>-R<1>-P<2> wherein P<1> is a peptide having an amino acid sequence in the SEQ ID NO.:1 of the Sequence Listing, or analogues thereof; P<2> is a peptide having an amino acid sequence in the SEQ ID NO.:2 of the Sequence Listing, or analogues thereof; R<1> denotes a linker with a property that does not interfere with the activity of the each peptide P<1> and P<2> to bind N-terminal end of the peptides P<1> and P<2>. The present invention also provides a pharmaceutical composition for the treatment of bone related diseases comprising said peptide derivatives, or a therapeutically acceptable salt thereof, and a pharmaceutically acceptable carrier. The present invention also provides a method of treating bone related diseases in a mammal comprising administering thereto an effective amount of said peptide derivatives, or therapeutically acceptable salts thereof.

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**C07K 14/51**; **A61K 38/18**

IPC 8 full level

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CPC (source: EP KR US)

**C07K 14/51** (2013.01 - EP KR US); **A61K 38/00** (2013.01 - EP KR US); **C07K 2319/00** (2013.01 - KR)

Citation (search report)

- [A] WO 9300049 A1 19930107 - XOMA CORP [US]
- [A] WO 9309229 A1 19930513 - GENETICS INST [US]
- [PA] EP 0626451 A2 19941130 - TAKEDA CHEMICAL INDUSTRIES LTD [JP]

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DE10026713A1; EP2377876A1; WO0021998A1; WO2007143161A3; WO0192298A3; WO9723612A3; US7132397B1; US7754689B2

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